

AMENDMENTS TO THE CLAIMS

Claim 1 (previously amended): A method for manufacturing an organic film, comprising:
providing an organic host material disposed over a substrate; and
applying a dopant dissolved in a solvent onto the organic host material, such that the solvent causes the dopant to diffuse into the organic host material.

Claim 2 (original): The method of claim 1 wherein the dopant is applied by application of liquid droplets.

Claim 3 (original): The method of claim 2 wherein the liquid droplets are applied by ink-jet printing.

Claim 4 (canceled)

Claim 5 (original): The method of claim 1 wherein the dopant is applied by screen printing.

Claim 6 (previously amended): The method of claim 1 wherein the dopant modifies the light emitting properties of the organic host material.

Claim 7 (original): The method of claim 6 wherein the dopant comprises red, green or blue dyes.

Claim 8 (original): The method of claim 7 wherein the dopant includes coumarin and nile red.

Claim 9 (currently amended): A method of manufacturing an organic device comprising:
providing a substrate,
providing a first electrode disposed on the substrate;
applying an organic coating having a dopant over the first electrode; and
removing the dopant from areas of the coating, wherein areas of the coating from which the dopant is removed remain over the first electrode after the dopant is removed;

depositing a second electrode over the organic coating.

Claim 10 (original): The method of claim 9 wherein the dopant is removed from the coating by a solvent applied to the surface of the coating.

Claim 11 (previously amended): The method of claim 9 wherein the dopant is removed from the coating by annealing which causes the dopant to migrate from the coating.

Claim 12 (original): The method of claim 10 wherein a mask is patterned on the coating prior to applying the solvent to remove the dopant in a pattern.

Claim 13 (original): The method of claim 11 wherein a mask is patterned on the coating prior to annealing to remove the dopant in a pattern.

Claim 14 (currently amended): The method of claim 10 wherein the solvent is applied in a pattern onto the coating to remove the dopant in a pattern that does not include the entire area of the coating.

Claim 15 (previously amended): A method of manufacturing, comprising:
 providing a substrate;
 providing a first electrode disposed over the substrate;
 providing a first layer having a dopant disposed over the first electrode;
 providing a second layer on the first layer, wherein the second layer is organic; and
 transferring the dopant from the first layer to the second layer;
 depositing a second electrode over the second layer.

Claim 16 (currently amended): The method of claim 15 wherein the dopant is transferred in a pattern from the first layer to the second layer, wherein the pattern does not include the entire area of the second layer.

Claim 17 (previously amended): The method of claim 16 wherein masking means is provided on the first layer prior to providing the second layer, and the dopant is transferred from the first layer to the second layer in areas not masked.

Claim 18 (previously amended): The method of claim 16 wherein the first layer with the dopant is patterned ~~on a substrate~~, and the dopant is transferred to the second layer in the pattern of the first layer.

Claim 19 (currently amended): A method of manufacturing an organic film comprising:
providing a first layer of material;
applying a dopant in a pattern to the first layer such that the first layer contains the dopant;
providing a second layer comprising an organic material; and
transferring the dopant from the first layer to the second layer in the pattern such that the second layer contains the dopant.

Claim 20 (original): The method of claim 19 wherein the dopant is applied by application of liquid droplets.

Claim 21 (original): The method of claim 20 wherein the liquid droplets are applied by ink-jet printing.

Claim 22 (canceled)

Claim 23 (original): The method of claim 19 wherein the dopant is applied by screen printing.

Claim 24 (original): The method of claim 19 wherein the dopant modifies the light emitting properties of the organic film.

Claim 25 (original): The method of claim 24 wherein the dopant comprises red, green or blue dyes.

Claim 26 (original): The method of claim 25 wherein the dopant includes coumarin and nile red.

Claim 27 (original): The method of claim 19 wherein the dopant is transferred by annealing.

Claim 28 (previously amended): A method of manufacturing an organic film for an OLED comprising:

providing a substrate;
applying an organic coating over the substrate;
depositing a dopant or material containing a dopant onto the organic coating; and

using a solvent to cause the dopant to migrate into the organic coating.

Claim 29 (currently amended): The method of claim 28 wherein the dopant is applied to the organic coating in a pattern, and the dopant forms the pattern in the organic coating layer after the dopant migrates thereinto.

Claim 30 (original): The method of claim 29 wherein the dopant is applied by liquid droplet application.

Claim 31 (currently amended): The method of claim 30 wherein the liquid droplets are applied by ink jet printing.

Claims 32-35 (canceled)

Claim 36 (previously amended): A method of manufacturing an organic film comprising:
providing an organic layer;
covering the organic layer with a patterned barrier;
applying a dopant or material containing a dopant over the organic layer
and the barrier; and

causing the dopant to migrate into the organic layer in areas exposed through the barrier through the use of a solvent.

Claim 37 (previously added): The method of claim 1, wherein the solvent is acetone.

Claim 38 (previously added): The method of claim 37, wherein the organic host material is poly(9-vinylcarbazole).

Claim 39 (previously added): The method of claim 1, wherein the solvent is trichloroethylene.

Claim 40 (previously added): The method of claim 39, wherein the organic host material is poly(9-vinylcarbazole).

Claim 41 (new): The method of claim 1, further comprising:

 providing electrodes above and below the organic host material to form an organic light emitting device.